



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: 1-32 Mishler A Dst 1

TIME ON: 04:38
TIME OFF: 13:12

Company Mull Drilling Company Inc. Lease & Well No. 1-32 Mishler A
Contractor Duke Drilling Rig 4 Charge to Mull Drilling Company Inc.
Elevation 2475 KB Formation _____ Cher _____ Effective Pay _____ Ft. Ticket No. RR0001
Date 02/08/2014 Sec. 32 Twp. 16 S Range 23 W County Ness State KANSAS
Test Approved By Kevin Kessler Diamond Representative Ricky Ray

Formation Test No. 1 Interval Tested from 4415 ft. to 4495 ft. Total Depth 4495 ft.

Packer Depth 4410 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4415 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4396 ft. Recorder Number 5155 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 4484 ft. Recorder Number 5586 Cap. 5,000 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 49 Drill Collar Length 0 ft. I.D. 2 1/4 in.

Weight 9.4 Water Loss 8 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.

Chlorides 4000 P.P.M. Drill Pipe Length 4382 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 80 (18.5p) ft. Size 4 1/2-FH in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: 1/2 " Blow-Built to 2" in 5 mins WSBB

2nd Open: 1/8 " Blow-Built to 11" in 60 mins NOBB

Recovered 10 ft. of CO 100% O GRAVITY: 38 @ 60 degrees F

Recovered 30 ft. of HMCO 55% O 45% M

Recovered 63 ft. of HOCM 40% O 60% M

Recovered 103 ft. of TOTAL FLUID

Recovered _____ ft. of _____ Price Job _____

Recovered _____ ft. of _____ Other Charges _____

Remarks: Diesel in bucket Insurance _____

Tool Sample: 35% O 65% M Total _____

Time Set Packer(s) 7:32 AM A.M. P.M. Time Started Off Bottom 11:12 PM A.M. P.M. Maximum Temperature 118

Initial Hydrostatic Pressure..... (A) 2189 P.S.I.

Initial Flow Period..... Minutes 5 (B) 59 P.S.I. to (C) 61 P.S.I.

Initial Closed In Period..... Minutes 30 (D) 1313 P.S.I.

Final Flow Period..... Minutes 60 (E) 65 P.S.I. to (F) 97 P.S.I.

Final Closed In Period..... Minutes 120 (G) 1266 P.S.I.

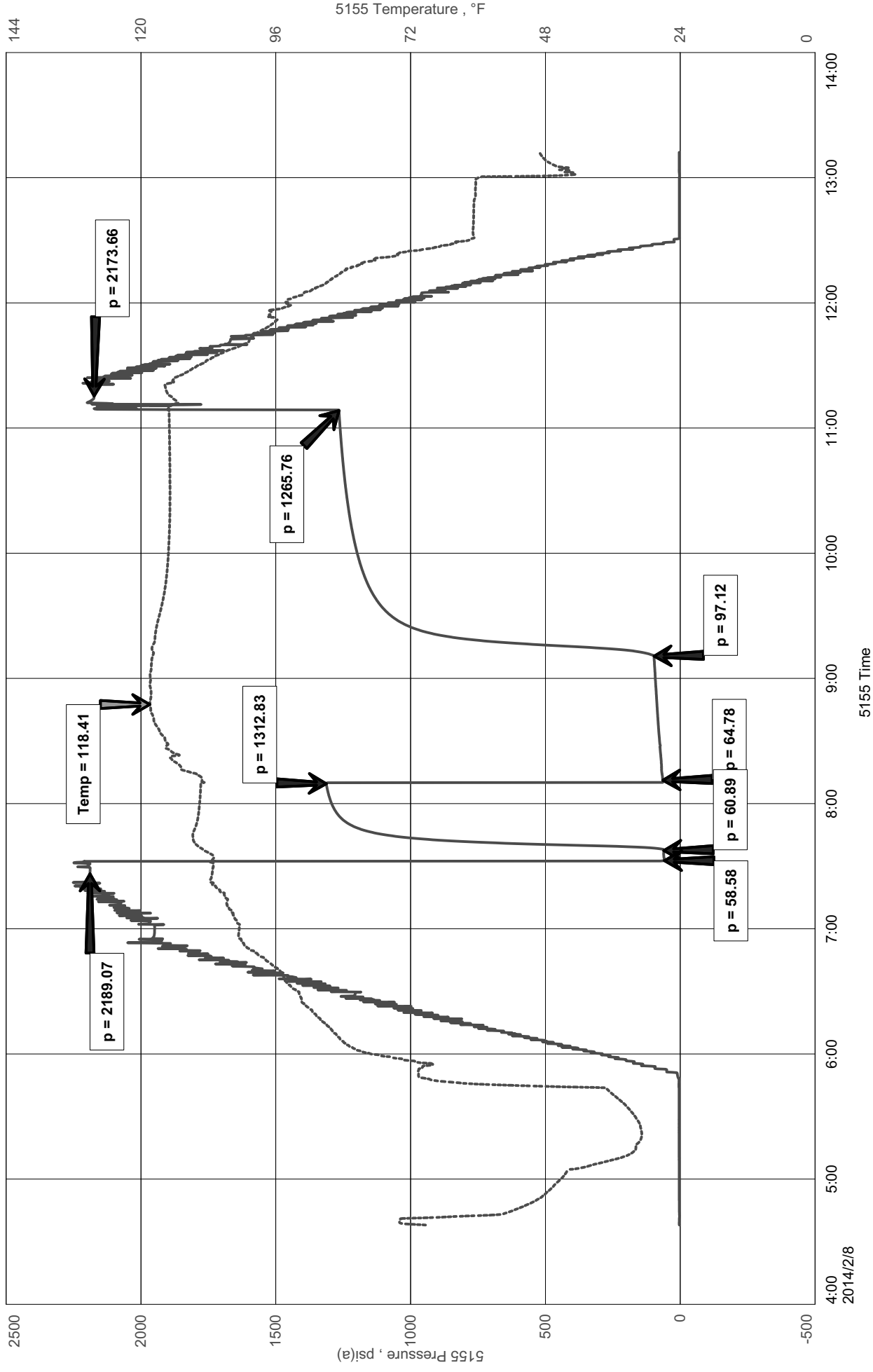
Final Hydrostatic Pressure..... (H) 2174 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Mull Drilling Company Inc
Dst 1 Cher 4415-4495
Start Test Date: 2014/02/08
Final Test Date: 2014/02/08

1-32 Mishler A
Formation: Dst 1 Cher 4415-4495
Pool: WC
Job Number: RR0001

1-32 Mishler A



Diamond Testing

General information Report

General Information

Company Name Mull Drilling Company Inc

Contact	Mark Shreve	Job Number	RR0001
Well Name	1-32 Mishler A	Representative	Ricky Ray
Unique Well ID	Dst 1 Cher 4415-4495	Well Operator	Mull Drilling Company Inc
Surface Location	Sec: 32-16s-23w Ness County	Report Date	2014/02/08
Well License Number		Prepared By	Ricky Ray
Field	Wildcat		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	Dst 1 Cher 4415-4495		
Well Fluid Type	01 Oil	Start Test Time	04:38:00
		Final Test Time	13:12:00
Start Test Date	2014/02/08		
Final Test Date	2014/02/08		
Gauge Name	5155		
Gauge Serial Number			

Test Results

RECOVERED:

10'	CO	100% CO
30'	HMCO	55% O 45% M
63'	HOCM	40% O 60% M
103'	TOTAL FLUID	

GRAVITY: 38 @ 60 degrees F

TOOL SAMPLE:

35% O 65% M